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PATENT & TRADEMARK OFFICE

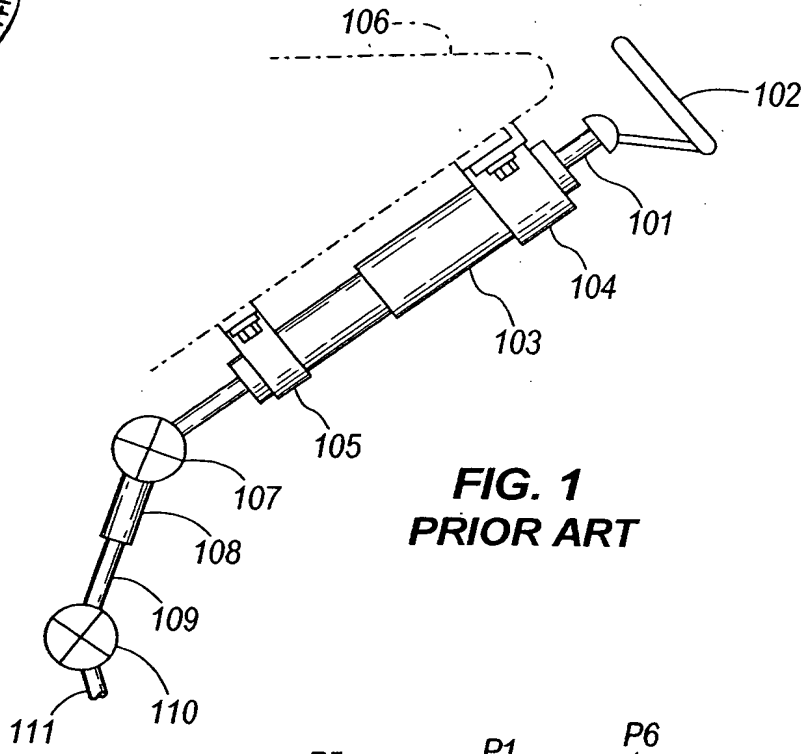


FIG. 1
PRIOR ART

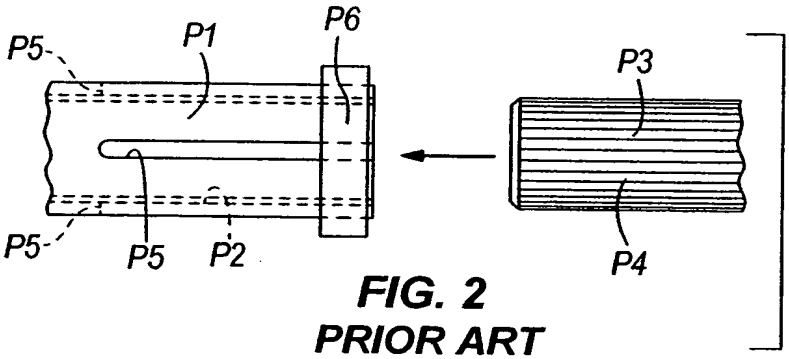


FIG. 2
PRIOR ART

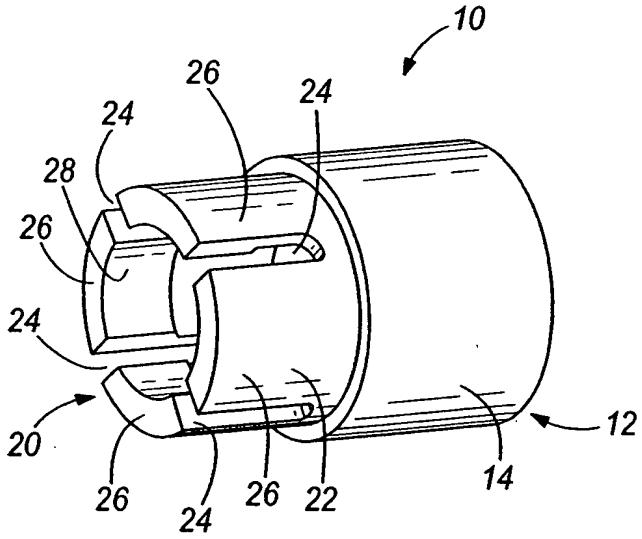


FIG. 3

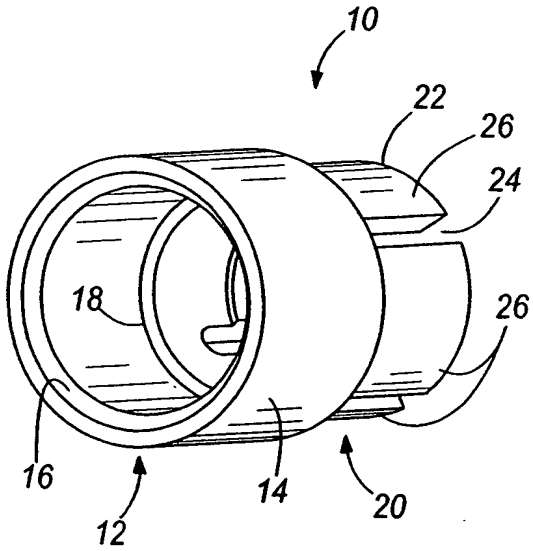


FIG. 4

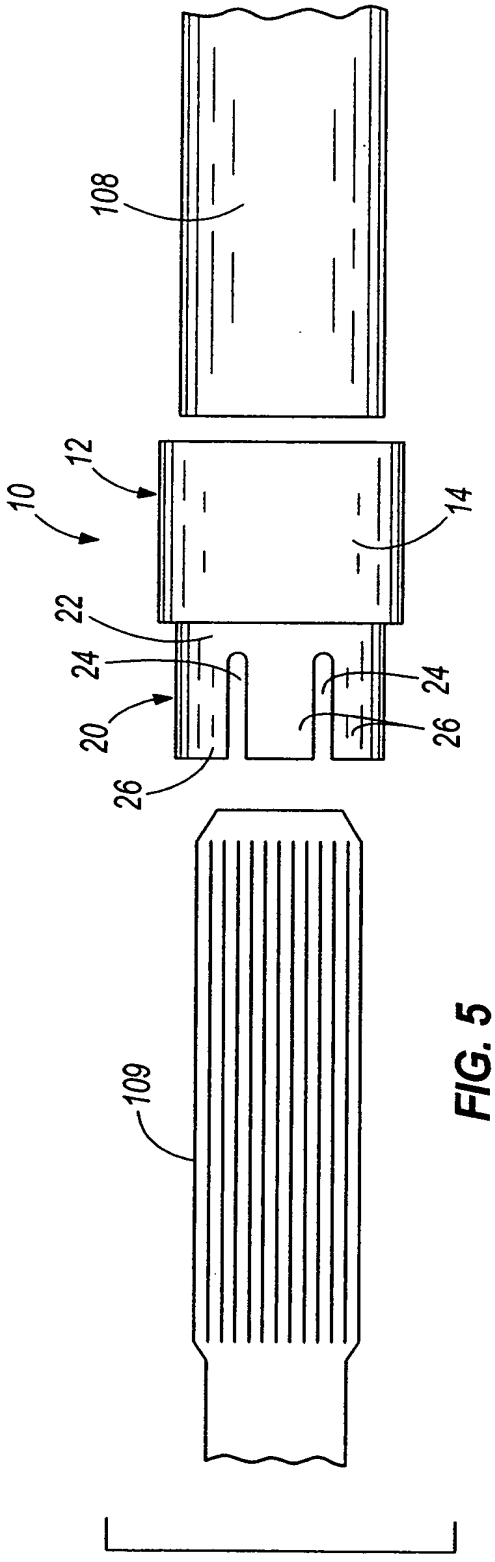
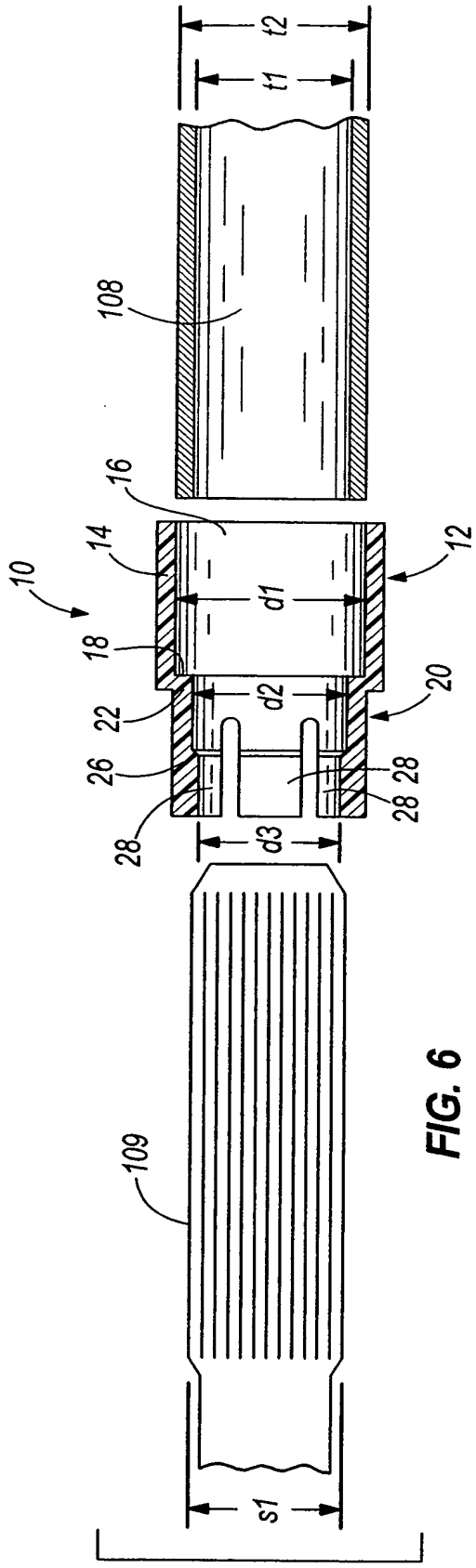

108
12
10
14
22
24
24
20
26
26
109

FIG. 5


t2
t1
108
16
14
12
10
d1
18
20
d2
22
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28
28
28
d3
109
s1

FIG. 6

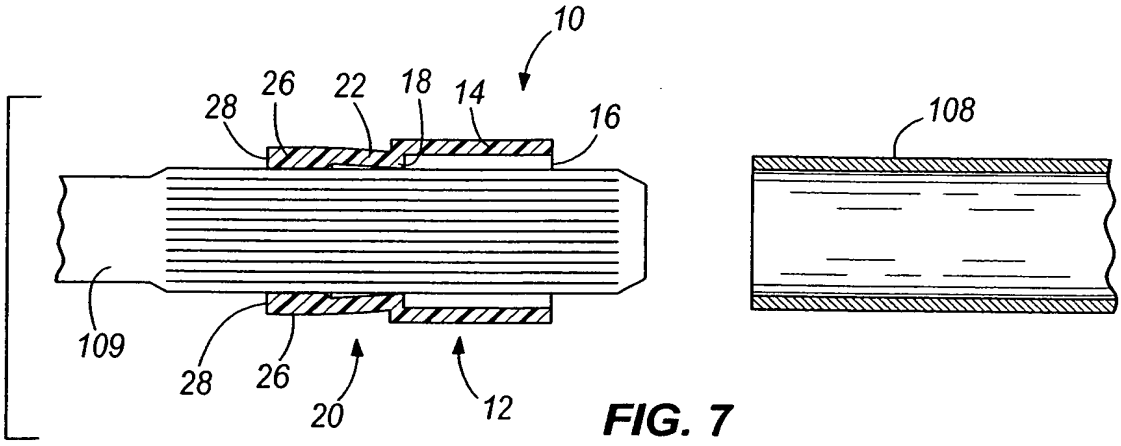


FIG. 7

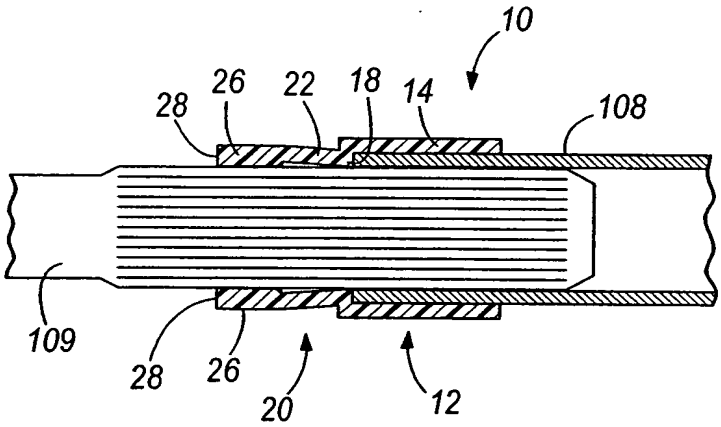


FIG. 8

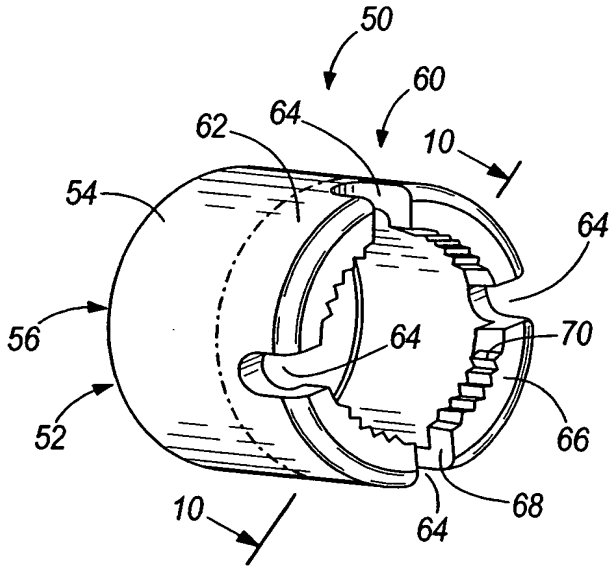


FIG. 9

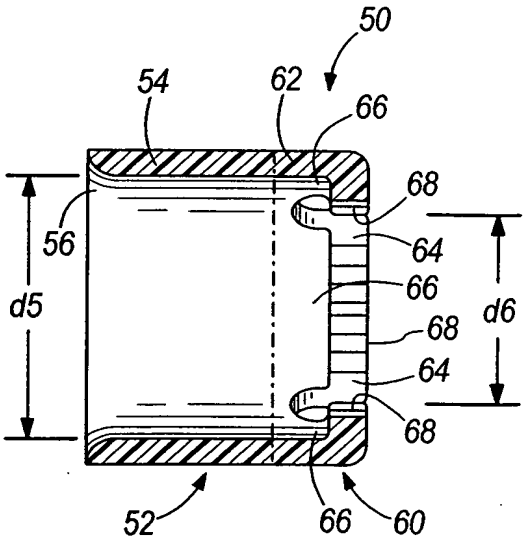
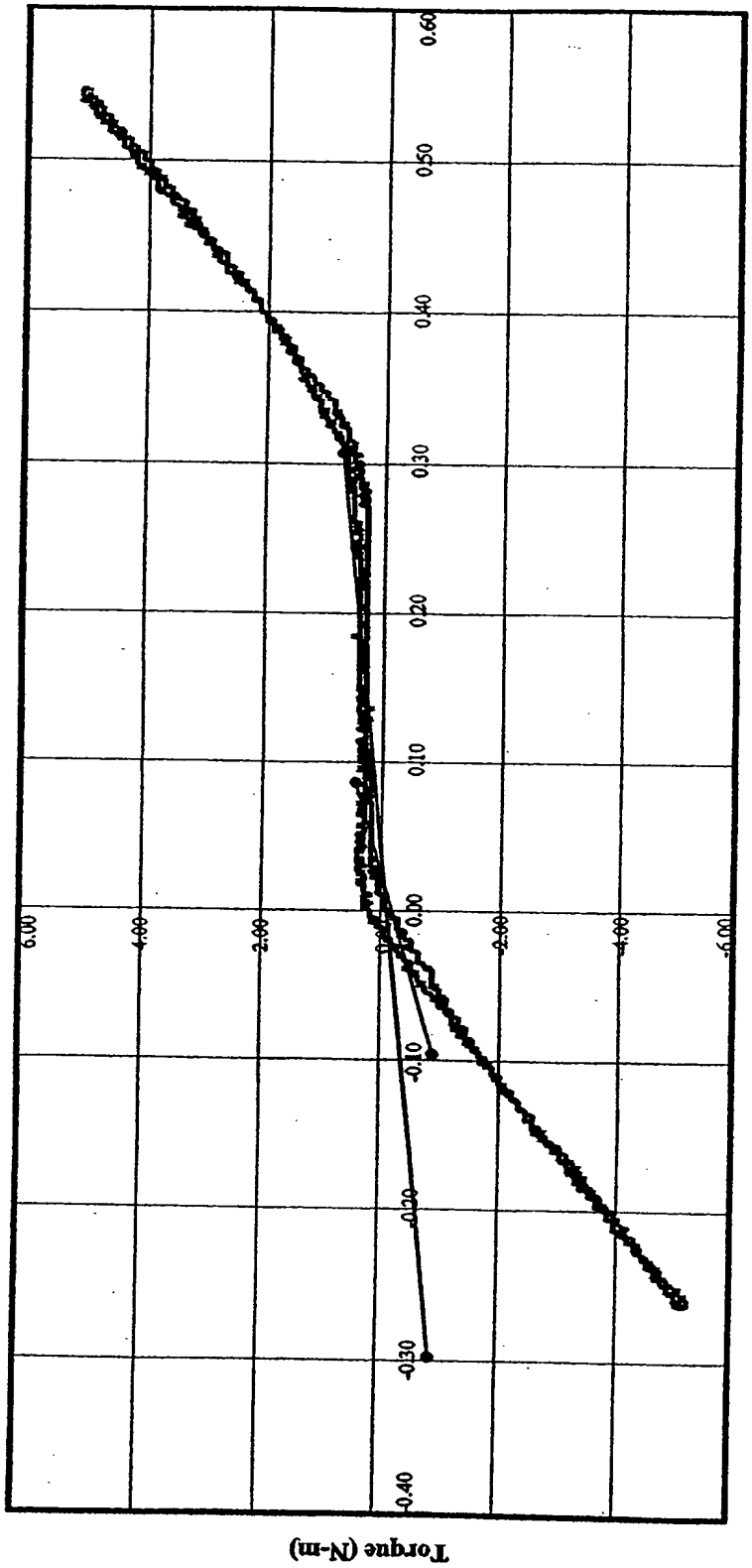


FIG. 10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0.40
0.30
0.20
0.10
0.00
-0.10
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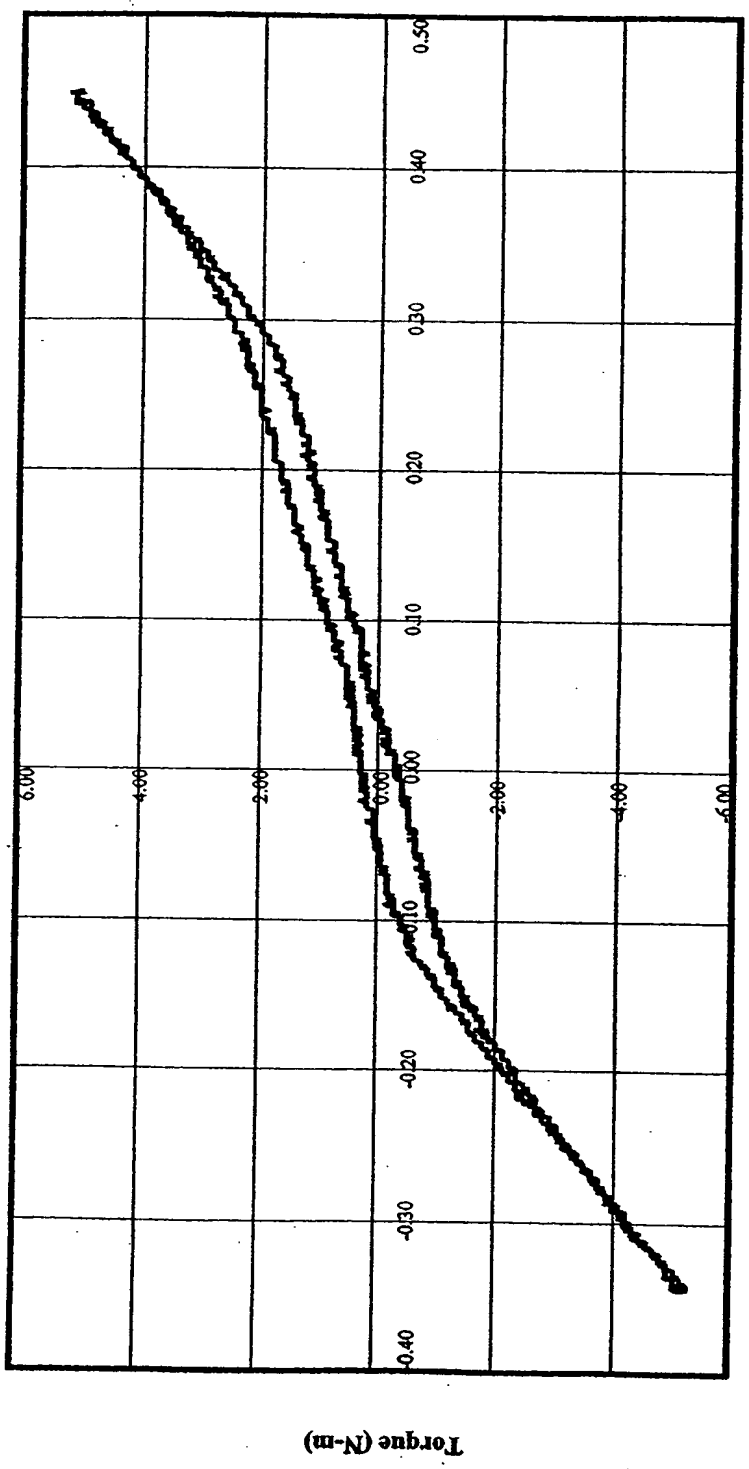
-0.30
-0.40
6.00
4.00
2.00
-2.00
-4.00
-6.00
Deflection (deg)
Torque (N-m)

Fig. 11


0.50
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0.30
0.20
0.10
0.00
-0.10
-0.20
-0.30
-0.40
6.00
4.00
2.00
0.00
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-4.00
-6.00
Deflection (deg)
Torque (N-m)

Fig. 12

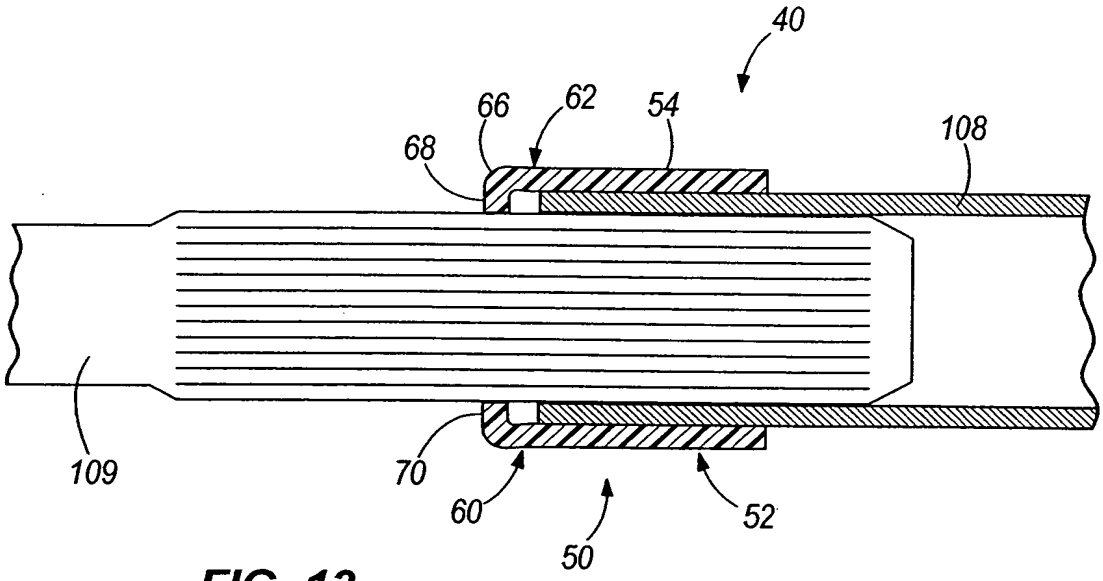

FIG. 13